



State of Utah

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February 14, 2000

TO: Minerals File

FROM: Doug Jensen, Reclamation Specialist *D. Jensen*

RE: Site Inspection, North Lily Mining, North Lily Mine, M/023/007, Juab County, Utah

Date of Inspection: February 14, 2000
Time of Inspection: 9:30 AM
Conditions: Cloudy, windy and cool
Participants: Beth Womdimu, Division of Water Quality; Doug Jensen DOGM

Purpose of Inspection: Site conditions

We arrived at the site at 9:30 in the morning, there was no North Lily employees on site. The site had about three to four inches of snow. There had been traffic in the parking lot but there was no evidence that anyone had been out on the plant site since the snow fell. From what we could tell snow had fallen at least several days before our visit. The pump was running when we arrived and it is evident from the lack of foot-prints at the site, that the pump is presently running 24 hours a day.

This inspection was made to follow-up on several changes that were to have taken place since the November meeting with North Lily representatives. We were unable to check all the items due to the snow.

One of the items was that all the holes in the liners of the ponds and ditches were to have been repaired by December 1999. North Lily response to DWQ (received January 11, 2000) North Lily stated;

"Other areas requiring repair including the primary spillway and punctures in the primary liners in the pregnant and barren ponds were identified as requiring repair. North Lily reports that these repairs were completed during December 1999 and that the liners will be inspected and promptly repaired during the remaining life of the facility." We visually inspected the preg pond for repairs and found that the breaches that were evident in the October inspection were still not repaired. I am unable to understand how North Lily will repair the primary liner in the barren pond, at the present time approximately 50% to 60% of that liner is in the bottom of the pond. This liner has been this way since DOGM's August visit and remains that way today.

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The solution ditches do show that some effort has been made to open up a small area that had been blocked by material from the heap. This area is near the junction of the two solution ditches near the preg pond. A problem with the ditch that had been opened previous to our December visit was that it was not draining the area above it. This is still a problem, water is still backing up above this area. We were unable to ascertain if any water is leaving the pad at this point, as it was on all of our previous visits, due to the snow cover. We were also unable to check to see if the holes in the liners of the ditches, noted on our last visits, had been repaired.

The next area we checked was the ponds and their condition. The preg pond was +90% full and judging from the amount of solution flowing into the pond, the pumps are barely keeping up with the solution flow. I feel that once the weather warms up and melts the snow on the site that the preg pond will overflow into the barren pond. The barren pond had two to three feet of standing water. The overflow had about the same amount of water that was there on our December visit (about a foot).

The heaps was the next area visited. There was about an inch of snow on the heap at this time but the surface of the heap was very wet due to recent snowmelt. The sprays remain as they have been since our August visit. With the exception that several of the 1/2" lines on the heap are now just running water on the ground instead of to the wobblers (spray heads).

The ice build-up noted during our last visit has almost all melted except for some areas near the sprays. Some ponding of water was noted on top of the heap but the amount was not significant.

The inspection tour took approximately a half an hour and during that time no one was at the site except for Beth and myself. The inspection ended at this point and we returned to Salt Lake.

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